

## Weather Bureau Research Papers

- No. 1 \*Progress Report on Development of an Electronic Anemometer. W. R. Thickstun, July 1943.
- No. 2 \*A Project to Test the Potential Usefulness of Pressure Patterns for Forecasting. H. W. Norton, G. W. Brier, and R. A. Allen, January 1944.
- No. 3 \*Preliminary Report on Duration of Stormy Periods at Selected Localities and Intervals Between Periods. L. L. Weiss, January 1944.
- No. 4 \*Some Relationships Between Five-Day Mean Surface Maps and Their Component Daily Maps. C. B. Johnson, January 1944.
- No. 5 \*Improvement of Trend Methods of Forecasting. P. F. Clapp, July 1943.
- No. 6 (Unassigned.)
- No. 7 \*Formation of New Moving Centers South of Deep Lows. R. C. Gentry, January 1944.
- No. 8 \*An Investigation of a Trajectory Method of Forecasting Flow Patterns at the 10,000-Foot Level. H. G. Dorsey and G. W. Brier, January 1944.
- No. 9 \*Preliminary Report on Stagnant Highs Over Greenland, Iceland, and England, and Over the Bering Sea and Alaska in July and August. R. C. Gentry and L. L. Weiss, January 1944.
- No. 10 \*Persistence in London Temperatures. H. W. Norton and G. W. Brier, January 1944.
- No. 11 \*Skill in Selecting the "Best" Forecast. G. W. Brier, January 1944.
- No. 12 Notes on Interdiurnal Pressure and Temperature Changes in the Upper Air. R. C. Gentry, January 1944. (Unpublished.)
- No. 13 Investigation and Practical Use of a Method for Constructing Six-Hour Isallobars on Upper Level Charts. E. M. Cason and P. F. Clapp, January 1944. (Unpublished.)
- No. 14 Weight Changes for the Atmosphere Divided Into Three Layers. L. L. Weiss, February 1944. (Unpublished.)
- No. 15 \*Some Notes on Forecasting for Atlanta and Miami Districts (North and South Carolina, Georgia, and Florida). Grady Norton, February 1944.
- No. 16 \*Verification of a Forecaster's Confidence and the Use of Probability Statements in Weather Forecasting. G. W. Brier, February 1944.
- No. 17 \*Pressure Patterns Accompanying Cyclonic Activity in the Azores Area. R. L. Pyle, March 1944.
- No. 18 \*Normal Mean Virtual Temperatures and Weights of the Air Column Between Sea Level and 10,000 Feet. Staff, Extended Forecast Section, July 1944.
- No. 19 \*Temperature Changes During Formation and Dissipation of West Coast Stratus. Morris Neiburger (University of California at Los Angeles), July 1944.
- No. 20 Empirical Studies of the Motion of Long Waves in the Westerlies. P. F. Clapp, July 1944. (Unpublished.)
- No. 21 \*A Collection of Reports on the Preparation of Prognostic Weather Charts. J. R. Fulks, H. B. Wobus, and S. Teweles, Edited by C. P. Mook, October 1944.
- No. 22 \*Relationship Between Surface Temperature and Mean Virtual Temperature in the Lower Troposphere. W. M. Rowe, November 1944.
- No. 23 \*Forecasting the Time of Formation of Stratus Cloud Ceiling at Oakland, California, Airport. Edward M. Vernon, April 1945.
- No. 24 \*Investigation of Polar Anticyclogenesis and Associated Variations of the Zonal Index. Jerome Namias, September 1945.
- No. 25 \*Progress Report on Objective Rainfall Forecasting Research Program for the Los Angeles Area. J. C. Thompson, July 1946.
- No. 26 \*A Study of Quantitative Precipitation Forecasting in the TVA Basin. Glenn W. Brier, November 1946.
- No. 27 \*Objective Methods of Forecasting Winter Minimum Temperatures at Washington, D. C. C. P. Mook and Saul Price, August 1947.
- No. 28 \*Possibility of Long Range Precipitation Forecasting for the Hawaiian Islands. Samuel B. Solot, January 1948.
- No. 29 An Objective Method of Forecasting Five-Day Precipitation for the Tennessee Valley. William H. Klein, July 1948. .30
- No. 30 First Partial Report on the Artificial Production of Precipitation: Stratiform Clouds—Ohio, 1948. Richard D. Coons, R. C. Gentry, and Ross Gunn, August 1948. .30
- No. 31 Second Partial Report on the Artificial Production of Precipitation: Cumuliform Clouds—Ohio, 1948. Richard D. Coons, Earl L. Jones, and Ross Gunn, January 1949. .30
- No. 32 Further Studies in Hawaiian Precipitation. Samuel B. Solot, January 1950. .30

\*Out of print.

NOTE.—Nos. 2, 3, 4, 7, 8, 9, 10, and 11 are included in one publication under the title "A Collection of Reports on Extended Forecasting Research." Weather Bureau, 1944.

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- No. 33 Artificial Production of Precipitation. Third Partial Report: Orographic Stratiform Clouds—California, 1949. Fourth Partial Report: Cumuliform Clouds—Gulf States, 1949. Richard D. Coons, Earl L. Jones, and Russ Gunn, September 1949. .40
- No. 34 Predicting the Runoff From Storm Rainfall. M. A. Kohler and R. K. Linsley, September 1951. .05
- No. 35 The Application of the Hydraulic Analogy to Certain Atmospheric Flow Problems. Morris Tepper, October 1952. .35
- No. 36 Cloud Seeding Operations in the Bishop Creek, Calif., Watershed. Ferguson Hall, T. J. Henderson, and Stuart A. Cundiff, January 1953. .25
- No. 37 Pressure Jump Lines in Midwestern United States, January–August 1951. Morris Tepper, June 1954. .45
- No. 38 Evaporation from Pans and Lakes. M. A. Kohler, T. J. Nordenson, and W. E. Fox, May 1955. .20
- No. 39 Mesoanalysis—An Important Scale in the Analysis of Weather Data. Tetsuya Fujita, Herman Newstein, and Morris Tepper, January 1956. .50
- No. 40 Principal Tracks and Mean Frequencies of Cyclones and Anticyclones in the Northern Hemisphere. William H. Klein. In press

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